Attachment to Interview Summary

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Examiner Survillo,

As discussed in our telephonic interview this afternoon, please find the attached proposal for an Amendment.   In particular, we believe that this Amendment addresses the remaining issues regarding the claim rejections under 35 § U.S.C. 112 and 35 U.S.C. § 101 raised in the Advisory Action of March 30, 2009. Feel free to call (703) 519-9810 if you will require any additional information.

Sincerely,
Patrick Wamsley (Registration No. 59,241)

Enclosure

Total Pages: 6

DRAFT

Application No: 10/639,677
Attorney's Docket No: ALC 3414

CLAIM AMENDMENTS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) An apparatus that establishes services that utilize policy-enabled resources in a communications network, comprising:

a first policy enforcement point (PEP) residing on a network element of the communications network that identifies policy-enabled resources that are available and allocates requested policy-enabled resources to services;

a first network resource controller (NRC) within a domain on the communications network that requests from available policy-enabled resources any policy-enabled resources within a first domain required to establish a particular service, the requests from the available policy-enabled resources being separate from the identification of the policy-enabled resources; and

a first resource policy layer (RPL) that establishes provisions, to a the particular service being established, and provisions the policy-enabled resources allocated to that particular service, said first resource policy layer including a first policy description protocol decision point (PDP), wherein said first NRC acts as the trusted entity that initiates association between said first PEP and said first PDP, said first PDP provides said first PEP with a policy policies upon establishment of

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17 said association between said first PEP and first PDP, and when said first NRC

18 requires resources from a second domain outside the first domain, said first NRC

19 signals a request to a second NRC in said second domain, which <u>acts as the trusted</u>

20 <u>entity that</u> initiates association between a second PEP in said second domain and

21 said first PDP, said first PDP providing said second PEP with ~~a policy~~ <u>the policies</u>

22 upon establishment of said association between said second PEP and said first PDP~~,~~

23 ~~whereby there is a decoupling of policy management from the management of~~

24 ~~policy enabled resources.~~

1   2.   (Previously Presented) The apparatus as defined in claim 1, wherein said

2   first PEP comprises a plurality of virtual PEPs, each virtual PEP being associated

3   to a respective service.

1   3-5.   (Canceled)

1   6.   (Currently Amended) The apparatus as defined in claim 1, wherein the

2   apparatus further comprises<u>:</u>

3   a second RPL associated with ~~a~~ <u>the</u> second domain comprising ~~a~~ <u>the</u> second

4   PEP.

1   7.   (Canceled)

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1   8.   (Previously Presented) The apparatus as defined in claim 1, wherein resource

2   capability information descriptors are used for resource discovery and policy

3   provisioning.

1   9.   (Currently Amended) A method of establishing services that utilize policy-

2   enabled resources in a communications network, comprising:

3   identifying, at a first policy enforcement point (PEP), policy-enabled

4   resources within a first domain that are available and allocating requested policy-

5   enabled resources to services;

6   requesting, from available policy-enabled resources at a first network

7   resource controller (NRC) any policy-enabled resources required to establish a

8   particular service, the requests from the available policy-enabled resources being

9   separate from the identification of the policy-enabled resources;

10   establishing the particular service with a first resource policy layer (RPL);

11 and

12   provisioning, to a~the established service ~being established at a first resource~

13 ~policy layer (RPL)~, the policy-enabled resources allocated to ~that~ the established

14 service, said first resource policy layer including ~at least one~ a first policy

15 ~description protocol~ decision point (PDP), wherein said first NRC acts as the trusted

16 entity that initiates association between said first PEP and said first PDP, said first

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17 PDP provides said first PEP with ~~a policy~~ policies upon establishment of said

18 association between said first PEP and first PDP, and when said first NRC requires

19 resources from a second domain outside the first domain, said first NRC signals a

20 request to a second NRC in said second domain, which <u>acts as the trusted entity</u>

21 <u>that</u> initiates association between a second PEP in said second domain and said

22 first PDP, said first PDP providing said second PEP with ~~a policy~~ <u>the policies</u> upon

23 establishment of said association between said second PEP and said first PDP,

24 ~~whereby there is a decoupling of policy management from the management of~~

25 ~~policy-enabled resources.~~

1   10.   (Canceled).

1   11.   (Currently Amended) The method as defined in claim 9, wherein virtual

2   PEPs of ~~a main~~ <u>the first</u> PEP are provisioned to provide resource services.

1   12.   (Previously Presented) The method as defined in claim 11, wherein the

2   virtual PEPs are provisioned to provide services in said second domain.

1   13.   (Previously Presented) The method as defined in claim 12, wherein said first

2   PEP and said second PEP are provisioned with the same service by said first PDP.

1   14-16. (Canceled)

1   17.   (Currently Amended) The apparatus as defined in claim 1, wherein the first

2   PEP and the second PEP are virtual PEPs created upon request for ~~said~~ a

3   particular service by one of the first NRC and the second NRC.

1   18.   (Currently Amended) The method as defined in claim 9, wherein the first

2   PEP and the second PEP are virtual PEPs created upon request for ~~said~~ a

3   particular service by one of the first NRC and the second NRC.

1   19.   (Currently Amended) An apparatus that establishes services that utilize

2   policy-enabled resources in a communications network, comprising:

3   a first network resource controller (NRC) within a domain on the

4   communications network, said first NRC requesting, from available policy-enabled

5   resources, any policy-enabled resources required to establish a particular service;

6   a virtual first policy enforcement point (PEP) residing on a network element

7   of the communications network that is created upon requesting the particular

8   service, said virtual PEP identifying policy-enabled resources that are available and

9   allocating requested policy-enabled resources to the particular service;

10   a resource policy layer (RPL) that establishes the particular service and

11   includes ~~including~~ a policy ~~description protocol~~ decision point (PDP), wherein the

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12   virtual PEP is provided with information to contact the PDP of the RPL in order to

13   provision the policy-enabled resources allocated to the particular service.

1   20.   (Currently Amended) A method of establishing services that utilize policy-

2   enabled resources in a communications network, comprising:

3   requesting, from available policy-enabled resources at a first network

4   resource controller (NRC), any policy-enabled resources required to establish a

5   particular service;

6   creating a virtual first policy enforcement point (PEP) upon requesting the

7   particular service;

8   identifying, at the virtual PEP, policy-enabled resources that are available

9   and allocating requested policy-enabled resources to the particular service;

10   providing the virtual PEP with information to contact a policy ~~description~~

11   ~~protocol~~ decision point (PDP) of a resource policy layer (RPL);

12   establishing the particular service with a first resource policy layer (RPL);

13   and

14   provisioning, to the ~~particular~~ established service ~~being established at the~~

15   ~~resource policy layer (RPL)~~, the policy-enabled resources allocated to the particular

16   service.

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